

## SEQUENCE LISTING

<110> Crisanti, Andrea

<120> Conjugates that Contain the Homeodomain of Antennapedia

<130> GJE-39D1

<140>

<141> 2004-02-27

<150> US 09/486,676

<151> 2000-03-01

<150> GB 9718609.2

<151> 1997-02-02

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 60

<212> PRT

<213> Drosophila sp.

<400> 1

Arg Lys Arg Gly Arg Gln Thr Tyr Thr Arg Tyr Gln Thr Leu Glu Leu  
1 5 10 15

Glu Lys Glu Phe His Phe Asn Arg Tyr Leu Thr Arg Arg Arg Arg Ile  
20 25 30

Glu Ile Ala His Ala Leu Cys Leu Thr Glu Arg Gln Ile Lys Ile Trp  
35 40 45

Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu Asn  
50 55 60

<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Six histidine tail fused to conjugate for purification

<400> 2

His His His His His His Gly Ser  
1 5

<210> 3  
 <211> 16  
 <212> PRT  
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<400> 3

Arg	Gln	Ile	Lys	Ile	Trp	Phe	Gln	Asn	Arg	Arg	Met	Lys	Trp	Lys	Lys
1				5					10					15	

<210> 4  
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<220>  
 <223> Variant sequence of helix 3. Must have between  
 6 and 10 hydrophobic amino acids.

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(5)  
 <223> Can be any alpha-amino acid.

<220>  
 <221> MISC\_FEATURE  
 <222> (7)..(16)  
 <223> Can be any alpha-amino acid.

<400> 4

Xaa	Xaa	Xaa	Xaa	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10					15	

<210> 5  
 <211> 16  
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<220>  
 <223> Variant sequence of helix 3. Must have between  
 6 and 10 hydrophobic amino acids.

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(10)  
 <223> Can be any alpha-amino acid.

<220>  
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 <222> (12)..(16)  
 <223> Can be any alpha-amino acid.

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Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10					15	

&lt;210&gt; 6

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Drosophila sp.

&lt;400&gt; 6

Leu	Thr	Arg	Arg	Arg	Arg	Ile	Glu	Ile	Ala	His	Ala	Leu	Cys	Leu	Thr
1				5					10					15	

Glu	Arg	Gln	Ile	Lys	Ile	Trp	Phe	Gln	Asn	Arg	Arg	Met	Lys	Trp	Lys
			20					25					30		

Lys	Glu	Asn
		35

&lt;210&gt; 7

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Drosophila sp.

&lt;400&gt; 7

Leu	Thr	Arg	Arg	Arg	Arg	Ile	Glu	Ile	Ala	Tyr	Ala	Leu	Cys	Leu	Thr
1				5					10					15	

Glu	Arg	Gln	Ile	Lys	Ile	Trp	Phe	Ala	Asn	Arg	Arg	Met	Lys	Trp	Lys
			20					25					30		

Lys	Glu	Asn
		35

&lt;210&gt; 8

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Drosophila sp.

&lt;400&gt; 8

Leu	Thr	Arg	Arg	Arg	Arg	Ile	Glu	Ile	Ala	His	Ala	Leu	Cys	Pro	Pro
1				5					10					15	

Glu	Arg	Gln	Ile	Lys	Ile	Trp	Phe	Gln	Asn	Arg	Arg	Met	Lys	Trp	Lys
			20					25					30		

Lys	Glu	Asn
		35

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<212> PRT  
<213> Artificial Sequence

<220>  
<223> Factor Xa cleavage sequence.

<400> 9

Ile Glu Gly Arg  
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<210> 10  
<211> 5  
<212> PRT  
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<220>  
<223> Enterokinase cleavage sequence.

<400> 10

Asp Asp Asp Asp Lys  
1 5

<210> 11  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Thrombin cleavage sequence.

<400> 11

Leu Val Pro Arg Gly  
1 5

<210> 12  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> GAL4 DNA binding domain.

<400> 12  
cggaggacag tcctccg